

Title (en)

WELLBORE FAILURE ANALYSIS AND ASSESSMENT

Title (de)

ANALYSE UND BEWERTUNG VON BOHRLOCHVERSAGEN

Title (fr)

ANALYSE ET ÉVALUATION DE DÉFAILLANCE DE PUITS DE FORAGE

Publication

**EP 3824159 A1 20210526 (EN)**

Application

**EP 19746363 A 20190716**

Priority

- US 201816036363 A 20180716
- US 2019041929 W 20190716

Abstract (en)

[origin: US2020018160A1] Methods, systems, and apparatus, including computer programs encoded on a computer storage medium, for improving wellbore stability and minimizing wellbore failure issues. In one aspect, a method includes receiving, for a well site, post-drilling parameters; clustering the received post-drilling parameters into groups based on an information type of each post-drilling parameter; generating a correlation model by applying a numerical analysis or a statistical analysis to the post-drilling parameters included in each of the groups; determining a resolution to avoid wellbore failure at a new well site by processing information regarding the new well site through the correlation model; and transmitting the resolution for implementation at the well site.

IPC 8 full level

**E21B 44/00** (2006.01); **E21B 49/00** (2006.01)

CPC (source: EP US)

**E21B 44/00** (2013.01 - EP); **E21B 49/00** (2013.01 - EP); **E21B 49/003** (2013.01 - US); **E21B 49/006** (2013.01 - US)

Citation (search report)

See references of WO 2020018492A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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